



The processing sequence that turns Tronox's mineral sands into finished products begins at the Chandala Processing Plant, located about 60 kilometers north of Perth.

The Chandala complex includes three major plants: a dry mill, which separates the minerals; a synthetic rutile plant, which upgrades ilmenite into high-quality synthetic rutile; and a residue management plant.

The dry mill uses a range of different processes to separate the various types of sands, using the inherent mineral characteristics of electrical conductivity and magnetic susceptibility, particle size and specific gravity. Through these processes, Tronox produces approximately 450,000 metric tons of ilmenite, 80,000 metric tons of zircon, 37,000 metric tons of rutile and 20,000 metric tons of leucoxene a year.

While the zircon, rutile and leucoxene are either bagged or sold in bulk, the ilmenite is further processed into synthetic rutile in three stages at Chandala's synthetic rutile plant - reduction, aeration and acid leaching.

In this process, a residue of activated carbon is also produced as a by-product and packaged for sale.

Of the 220,000 metric tons of synthetic rutile produced at Chandala each year, about half is exported. The remainder is sent to the Kwinana Pigment Plant to be converted into titanium dioxide pigment.

Tronox is a global leader in the production and marketing of titanium products. Through the integration of its pigment and mineral sands businesses, the company provides its customers a cost-effective dependable supply of brightening solutions for a variety of end uses.

Products: Rutile, Leucoxene, Ilmenite, Zircon, Staurolite, SR, Activated Carbon

Design Feed Capacity DM:	640ktpa
Current Feed Capacity DM:	780ktpa
Design Capacity SR:	130ktpa
Current Capacity SR:	230ktpa
Commenced Operations:	1989
Employees in Chandala and Cooljarloo:	370
EMS Certification:	2002
SMS Certification:	2004



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Safety

- Actively engage in effective visible leadership to promote positive workplace behaviours and attitudes
- Implement effective and consistent safety and health standards
- Improve knowledge and understanding of safety and health risks, controls and expectations
- Improve physical working environment and reduce hazards

Responsibly Managing our Environmental Risks

- ISO14001 and TJV corporate standards = continual improvement
- Regular internal and external auditing
- Annual external reporting and government site inspection

Key Risks:

- Groundwater protection
 - Monitoring and underground water control
 - Effective waste and hydrocarbon management
- Air emissions
 - Stack testing
 - Dust monitoring
- Noise
 - Monitoring and routine maintenance

Supporting Our Community

- Apprenticeships and traineeships
- Vacation students
- Educational projects and work experience students—Gingin and Bullsbrook District High School
- School funding
- Local event sponsorship
- Providing local employment
- Sponsorship of DEC projects
- Tree planting

